

ABSTRACT

A method that utilizes both software and combination software and hardware mechanisms to comply with the FCC requirement for an U-NII antenna to be an integral part of the device, while providing CRUable dual mode wireless cards and wireless-ready U-NII devices. Enhancements are made to the system BIOS and Device Driver, and two new software-implemented utilities are provided to create authentication schemes that verify and authenticates the CRUable dual mode U-NII radio and antenna combination as being an FCC approved unique coupling during operation of the system. The system boots with only ISM transmission capability and is allowed to complete a U-NII transmission request only with an approved U-NII radio-antenna combination.